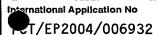
INTERNATIONAL SEARCH REPORT



CLASSIFICATION OF SUBJECT MATTER PC 7 B01J27/16 B01J B01J27/182 B01J35/10 B01J37/03 C10G49/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 B01J C10G CO1B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X EP 0 529 923 A (UOP INC) 1-14.3 March 1993 (1993-03-03) 23-27 the whole document A_. EP 0 748 652 A (ENIRICERCHE SPA) 15-22 18 December 1996 (1996-12-18) claims 8,9,11,16-18 Α US 4 430 252 A (RYU JI-YONG) 7 February 1984 (1984-02-07) Α PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05, 3 May 2002 (2002-05-03) & JP 2002 028491 A (CATALYSTS & CHEM IND CO LTD), 29 January 2002 (2002-01-29) abstract Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention earlier document but published on or after the International *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docudocument referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 13 September 2004 22/09/2004 Name and mailing address of the ISA Authorized officer

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